

What is claimed is:

1. An extrusion coating method of extruding a coating solution from a coater onto a web-shaped substrate, comprising steps of:

conveying the substrate in a conveying direction; supporting by coming in contact with a first side surface of the substrate by a back-roll; and

extruding simultaneously at least a lowermost layer solution and an adjacent layer solution onto a second side surface of the supported substrate in such a way that the lower most layer solution is coated on the second surface and the adjacent layer is superimposed on the lowermost layer solution,

wherein a viscosity V_a (Pa·s) of the lowermost layer solution and a viscosity V_b (Pa·s) of the adjacent layer solution satisfy the following formula.

$$V_b/V_a \leq 2.5$$

2. The extrusion coating method of claim 1, wherein the viscosity V_a , the viscosity V_b , a thickness T_a (μm) of the lowermost layer solution and a thickness T_b of the adjacent layer solution satisfy the following formula.

$$(V_b/V_a) / (T_b/T_a) < 7.5$$

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3. The extrusion coating method of claim 1, wherein the viscosity Va and the viscosity Vb satisfy the following formula.

$$2.5 \leq (Vb/Va) \leq 30$$

4. The extrusion coating method of claim 2, wherein the viscosity Va, the viscosity Vb, the thickness Ta and the thickness Tb satisfy the following formula.

$$0.8 \leq (Vb/Va) / (Tb/Ta) < 7.5$$

5. The extrusion coating method of claim 1, wherein the adjacent layer solution is a solution diluting the lowermost layer solution.

6. The extrusion coating method of claim 1, wherein the viscosity Vb is not less than 0.01 Pa·s.

7. The extrusion coating method of claim 6, wherein the viscosity Vb is not more than 3.0 Pa·s.

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